

WHAT IS CLAIMED IS:

1. A display panel driving device comprising:

a display panel having a plurality of row electrode lines, a plurality of column electrode lines intersecting with said row electrode lines, and a plurality of capacitive light emitting elements arranged at a plurality of intersecting positions by said plurality of row electrode lines and said plurality of column electrode lines, respectively;

a control circuit which generates a column drive control signal and a row drive control signal for each one cycle having a reset period and a light emission period in accordance with an input image signal, the row drive control signal indicating, as a scan line, one line of said plurality of row electrode lines and the column drive control signal indicating, as a light emission column electrode line corresponding to a capacitive light emitting element driven to emit light on said scan line, at least one line of a plurality of column electrode lines;

a column electrode driver circuit which sets a potential of each of said plurality of column electrode lines in accordance with the column drive control signal; and

a row electrode driver circuit which sets a potential of each of said plurality of row electrode lines in accordance with the row drive control signal;

wherein said column electrode driver circuit, in said reset period supplies a first reset potential to each of said plurality of column electrode lines, and in said light emission period, opens the light emission column electrode line and supplies a

non-light emission control potential to column electrode lines other than the light emission column electrode line of said plurality of column electrode lines; and

wherein said row electrode driver circuit, in said reset period, supplies a second reset potential to each of said plurality of row electrode lines, and in said light emission period, supplies a selection potential to the scan line and supplies a non-selection potential to row electrode lines other than the scan line of said plurality of row electrode lines.

2. The display panel driving device according to claim 1, wherein said first and second reset potentials, said non-light emission control potential, said selection potential are equal to a ground potential, and said non-selection potential is greater than the ground potential.

3. The display panel driving device according to claim 1, wherein a number of repeats of said reset period and said light emission period in each of said cycles is adjusted in accordance with a gradation of said image signal.

4. The display panel driving device according to claim 1, wherein said column electrode driver circuit supplies the first reset potential or the non-light emission control potential to said plurality of column electrode lines through resistor elements each of which is adjusted in accordance with a gradation of said image signal.

5. The display panel driving device according to claim 1, wherein said light emitting elements are organic electroluminescence elements.

6. A method for driving a display panel having a plurality of row electrode lines, a plurality of column electrode lines intersecting with said row electrode lines, and a plurality of capacitive light emitting elements arranged at a plurality of intersecting positions by said plurality of row electrode lines and said plurality of column electrode lines, respectively; comprising steps of:

generating a column drive control signal and a row drive control signal for each one cycle having a reset period and a light emission period in accordance with an input image signal, the row drive control signal indicating, as a scan line, one line of said plurality of row electrode lines and the column drive control signal indicating, as a light emission column electrode line corresponding to a capacitive light emitting element driven to emit light on said scan line, at least one line of a plurality of column electrode lines;

setting a potential of each of said plurality of column electrode lines in accordance with the column drive control signal; and

setting a potential of each of said plurality of row electrode lines in accordance with the row drive control signal;

wherein in said reset period, a first reset potential is supplied to each of said plurality of column electrode lines and a second reset potential is supplied to each of said plurality of row electrode lines, and in said light emission period, the light emission column electrode line is opened and a non-light emission control potential is supplied to column electrode lines

other than the light emission column electrode line of said plurality of column electrode lines, a selection potential is supplied to the scan line and a non-selection potential is supplied to row electrode lines other than the scan line of said plurality of row electrode lines.